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Search history:

| No. | Database | Search term | Info added since | Results | |
|-----|----------|--|------------------|---------|-----------------------------|
| 1 | INZZ | modulator\$1 AND electrode\$1 AND stub\$1 | unrestricted | 7 | show titles |
| 2 | INZZ | modulator\$1 AND electrode\$1 AND feed\$3 WITH line\$1 | unrestricted | 2 | show titles |
| 3 | INZZ | modulator\$1 AND electrode\$1 AND transformer\$1 | unrestricted | 15 | show titles |
| 4 | INZZ | modulator\$1 AND electrode\$1 AND taper\$2 WITH transformer\$1 | unrestricted | 0 | - |

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- ☒ Classification codes A: Physics, 0-1
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- ☒ Classification codes A: Physics, 7
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- ☒ Classification codes B: Electrical & Electronics, 0-5
- ☒ Classification codes B: Electrical & Electronics, 6-9
- ☒ Classification codes C: Computer & Control, 0-9
- ☒ Classification codes D: Information Technology, 0-9

Updated Search Query Case No. 10/092,628

| | | |
|------|---|--|
| 1 | 20030156312 | US-PGPUB |
| 4 | resonance and modulator and (feeding adj line) and stub\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 12 | modulator\$1 and electrode\$1 and (feeding adj line\$1) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 1 | ("5995270").PN. | USPAT |
| 1 | ("5732097").PN. | USPAT |
| 478 | (359/254).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 198 | ((359/254).CCLS.) and modulator | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 174 | ((((359/254).CCLS.) and modulator) and electrode\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 4 | (((((359/254).CCLS.) and modulator) and electrode\$1) and stub\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 2 | (((((359/254).CCLS.) and modulator) and electrode\$1) and (feeding adj line\$1) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 3 | (((((359/254).CCLS.) and modulator) and electrode\$1) and (tapered with transformer\$1) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 8 | (((((359/254).CCLS.) and modulator) and electrode\$1) and transformer\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 213 | (resonan\$2 with modulator\$1).ti. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 1845 | (359/245,248,254).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 822 | (359/276,278,279,315).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |

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| 1997 | (385/1,2,3,4,8).CCLS. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 4292 | ((359/245,248,254).CCLS.) or ((359/276,278,279,315).CCLS.) or ((385/1,2,3,4,8).CCLS.) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 1621 | ((359/245,248,254).CCLS.) or ((359/276,278,279,315).CCLS.) or ((385/1,2,3,4,8).CCLS.)) and modulator\$1 and electrode\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 34 | ((359/245,248,254).CCLS.) or ((359/276,278,279,315).CCLS.) or ((385/1,2,3,4,8).CCLS.)) and modulator\$1 and electrode\$1) and stub\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 26 | ((359/245,248,254).CCLS.) or ((359/276,278,279,315).CCLS.) or ((385/1,2,3,4,8).CCLS.)) and modulator\$1 and electrode\$1) and (feed\$3 with line\$1) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 52 | ((359/245,248,254).CCLS.) or ((359/276,278,279,315).CCLS.) or ((385/1,2,3,4,8).CCLS.)) and modulator\$1 and electrode\$1) and transformer | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 4 | ((359/245,248,254).CCLS.) or ((359/276,278,279,315).CCLS.) or ((385/1,2,3,4,8).CCLS.)) and modulator\$1 and electrode\$1) and (taper\$2 with transformer\$1) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 59 | ((359/245,248,254).CCLS.) or ((359/276,278,279,315).CCLS.) or ((385/1,2,3,4,8).CCLS.)) and modulator\$1 and electrode\$1) and transformer\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 4371 | ((359/245,248,254).CCLS.) or ((359/276,278,279,315).CCLS.) or ((385/1,2,3,4,8).CCLS.) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 1661 | ((359/245,248,254).CCLS.) or ((359/276,278,279,315).CCLS.) or ((385/1,2,3,4,8).CCLS.)) and modulator\$1 and electrode\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 35 | ((359/245,248,254).CCLS.) or ((359/276,278,279,315).CCLS.) or ((385/1,2,3,4,8).CCLS.)) and modulator\$1 and electrode\$1) and stub\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 30 | ((359/245,248,254).CCLS.) or ((359/276,278,279,315).CCLS.) or ((385/1,2,3,4,8).CCLS.)) and modulator\$1 and electrode\$1) and (feed\$3 with line\$1) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 53 | ((359/245,248,254).CCLS.) or ((359/276,278,279,315).CCLS.) or ((385/1,2,3,4,8).CCLS.)) and modulator\$1 and electrode\$1) and transformer | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |

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| 60 | (((359/245,248,254).CCLS.) or ((359/276,278,279,315).CCLS.) or ((385/1,2,3,4,8).CCLS.)) and modulator\$1 and electrode\$1) and transformer\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 5 | (((359/245,248,254).CCLS.) or ((359/276,278,279,315).CCLS.) or ((385/1,2,3,4,8).CCLS.)) and modulator\$1 and electrode\$1) and (taper\$2 with transformer\$1) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |
| 60 | (((359/245,248,254).CCLS.) or ((359/276,278,279,315).CCLS.) or ((385/1,2,3,4,8).CCLS.)) and modulator\$1 and electrode\$1) and transformer\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB |

Search Results Case No. 10/092,628

| | | | |
|-------------------|----------|--|---------|
| US 20020154378 A1 | US-PGPUB | Resonance type optical modulator using symmetric or asymmetric electrode | 359/254 |
| US 20030156312 A1 | US-PGPUB | Resonator-type semiconductor optical modulator with asymmetrical electrode structure | 359/248 |
| US 6735010 B2 | USPAT | Resonator-type semiconductor optical modulator with asymmetrical electrode structure | 359/254 |
| US 5208697 A | USPAT | Microwave frequency range electro-optic modulator with efficient input coupling and smooth wideband frequency response | 359/254 |
| US 20030156312 A | DERWENT | Resonance type semiconductor optical modulator for optical communication, has semiconductor optical modulation element connected to open-ended stub which is in mutual contact with short-ended stub | |
| US 20020154378 A | DERWENT | Resonance type optical modulator for optical communication, includes modulation electrode formed along optical path having electro-optical effect characteristics, to apply electric field to optical path | |
| US 5995270 A | USPAT | Ultra-high-speed semiconductor optical modulator with traveling-wave electrode | 359/248 |
| US 20020110302 A1 | US-PGPUB | Resonant optical modulators with zero chirp | 385/2 |
| US 6504640 B2 | USPAT | Resonant optical modulators with zero chirp | 359/245 |
| US 6424754 B1 | USPAT | Optical modulator responsive to at least two electric signals | 385/2 |
| US 6665106 B2 | USPAT | Method for optical polarization control | 359/254 |
| US 6646776 B1 | USPAT | Suppression of high frequency resonance in an electro-optical modulator | 359/254 |
| JP 2003241151 A | JPO | RESONANCE TYPE SEMICONDUCTOR OPTICAL MODULATOR USING ASYMMETRICAL ELECTRODE | |
| JP 2003207754 A | JPO | RESONANCE TYPE OPTICAL MODULATOR | |
| JP 2002268025 A | JPO | RESONANCE TYPE OPTICAL MODULATOR | |
| JP 2002072158 A | JPO | METHOD OF LIGHT MODULATION OF RESONANCE-TYPE LIGHT MODULATOR AND RESONANCE-TYPE LIGHT MODULATOR | |
| JP 2002268024 A | JPO | RESONANCE TYPE OPTICAL MODULATOR USING ASYMMETRICAL ELECTRODE | |

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|-----------------|---------|---|--|
| JP 04305616 A | JPO | RESONANCE ELECTRODE TYPE OPTICAL MODULATOR | |
| JP 2002072158 A | DERWENT | Light modulation method for resonance type light modulator, involves controlling length of convex shaped electrode for performing impedance matching between power supply and resonance electrode | |
| JP 04305616 A | DERWENT | Resonance electrode photo modulator for high efficiency - comprises oxide superconducting material electrode, low refractive index oxide layer and electro=optical crystal substrate | |